Eastern Shore Navigation Partnership

August 2013 Prioritization Breakout Session's
Task Group for WCV/VIP Hydro Survey

Initial Scoping Meeting Summary
Meeting Date 05 December 2013

US Army Corps of Engineers
BUILDING STRONG®

Background Events and Purpose of Meeting

- Eastern Shore Navigation Partnership formed and held its initial meeting in May 2004 for addressing issues related to Federal navigation channel maintenance
- 3 Partnership Meetings have been held to date
- Last partnership meeting was 22 March 2013
- Hurricane Sandy appropriation provided funds for the Waterway on the Coast of Virginia project (commonly called the Virginia Inside Passage, VIP)
- March 2013 partnership meeting spun off a breakout session on 16 August 2013 to prioritize Superstorm Sandy response work
- August breakout session identified a comprehensive survey of WCV as #2 priority
- The task group meeting today is in response to the August meeting and intended to help the Corps develop a scope of work for the comprehensive WCV/VIP hydrographic survey

Hydro Survey Task Force Meeting Handouts

- **Meeting Agenda**
- **Eastern Shore Federal Channel Location Map**

AGENDA

SCOPING SESSION FOR VIP/WCV COMPREHENSIVE HYDROGRAPHIC SURVEY AND MAPPING
NORTHAMPTON COUNTY ADMINISTRATION BUILDING BOARD ROOM
16404 COURTHOUSE ROAD
EASTVILLE, VA
DECEMBER 5, 2013

9:00 Sign In, introductions

9:15 Background of Survey Initiative (from Aug 2013 Eastern Shore Partnership breakout session)

9:25 "Vision" for initiative

- Preservation of control in light of funds reduction and grim future,
- Current status of current and future dredging,
- Mapping products
- Feedback loops and communication

9:30 USCG ANT Removal Public Notice

- Update for those not at August meeting

9:40 NOAA update on paper charts and ICW

9:50 Other Seaside Initiatives, studies, construction requiring survey control and monuments

- CZM, Educational institutions, TNC, MOUs/MOAs, NOAA capabilities

10:00 Survey Scope of Work, extents and limitations, boundary conditions, accuracy tolerances

10:15 Presentation of survey results, release of data

- Survey schedule, data and mapping format needs by users, GIS condition survey mapping and controlling depth initiative

10:55 Thank you to Northampton County

11:00 Final comments, Adjourn

Eastern Shore Partnership High Priority Items for WCV Identified in August 2013 Breakout Meeting

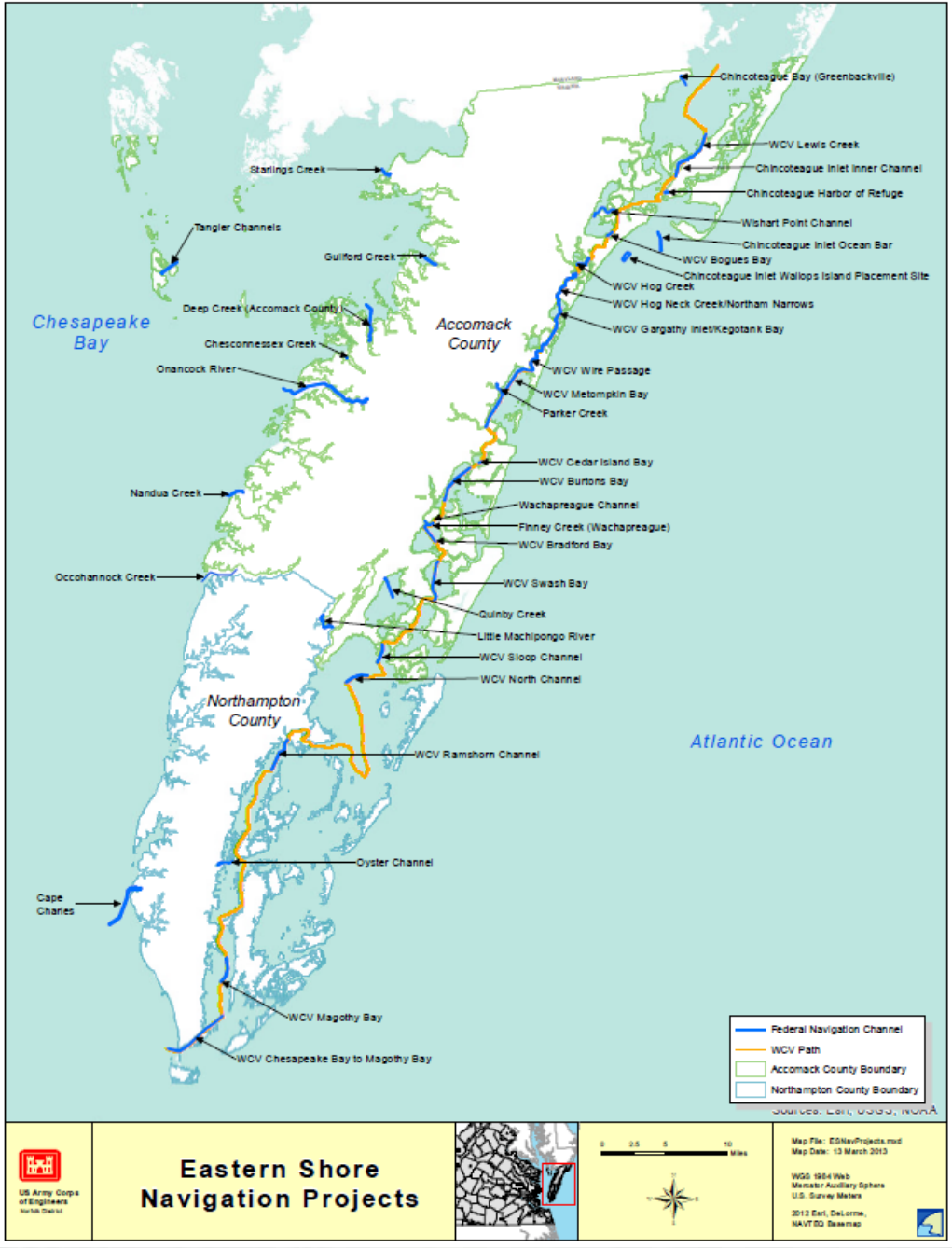
1. *Dredging Bradford Bay Access to Wachapreague*
2. *Comprehensive Hydrographic Survey of the VIP/WCV for the following purposes:*

A. Document the current conditions along the waterway,

B. Establish a baseline to start future work efforts on the project should additional project funding be provided in future Federal appropriations,

C. Preserve and/or restore survey control along the waterway that may have been lost during Hurricane Sandy,

D. Explore potential leverage of other agencies funds during this work effort.


Chincoteague Bay (Greenbackville)
WCV Lewis Creek
Chincoteague Inlet Inner Channel
Chincoteague Harbor of Refuge
Wishart Point Channel
Chincoteague Inlet Ocean Bar
WCV Bogues Bay
Chincoteague Inlet Wallops Island Placement Site
WCV Hog Creek
WCV Hog Neck Creek/Northam Narrows
WCV Gargathy Inlet/Kegotank Bay
Starlings Creek
Tangier Channels
Guilford Creek
Deep Creek (Accomack County)
Chesconnessex Creek
Onancock River
Chesapeake Bay
Accomack County
WCV Wire Passage
WCV Metompkin Bay
Parker Creek
WCV Cedar Island Bay
WCV Burtons Bay
Wachapreague Channel
Finney Creek (Wachapreague)
WCV Bradford Bay
Nandua Creek
Occohannock Creek
WCV Swash Bay
Quinby Creek
Little Machipongo River
WCV Sloop Channel
WCV North Channel
Northampton County
WCV Ramshorn Channel
Atlantic Ocean
Oyster Channel
Cape Charles
WCV Magothy Bay
WCV Chesapeake Bay to Magothy Bay
Federal Navigation Channel
WCV Path
Accomack County Boundary
Northampton County Boundary
Sources: Esri, USGS, NOAA
US Army Corps of Engineers Norfolk District
Eastern Shore Navigation Projects
0 2.5 5 10 Miles
Map File: EGNavProjects.mxd
Map Date: 13 March 2013
WGS 1984 Web Mercator Auxiliary Sphere
U.S. Survey Meters
2012 Esri, DeLorme, NAVTEQ Basemap

Meeting Discussion Highlights

- Status of funding for shallow draft, low use continues to be grim
- Dredging completed in June on the VIP near Wachapreague to allow continued USCG use, this was SANDY response
- Dredging planned for Bradford Bay (also SANDY funds)

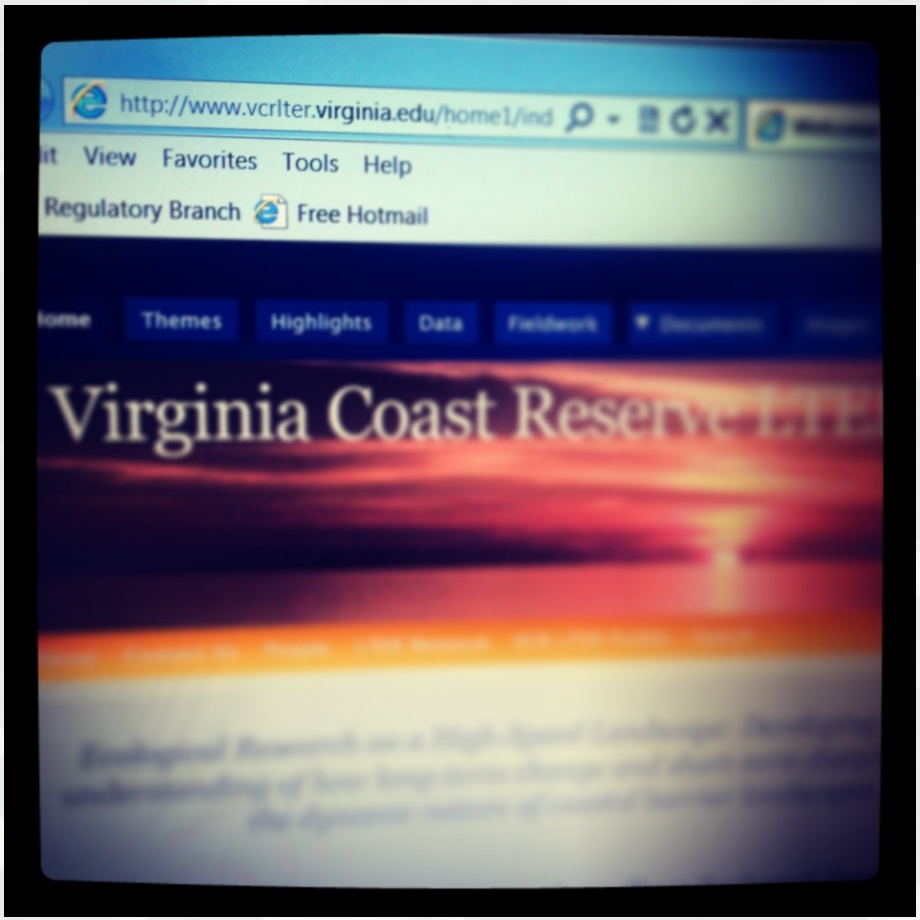
- Meeting today is to begin preparing scope for comprehensive WCV/VIP survey:
  - Desired Mapping Product
  - Identify Areas of Concern

Meeting Discussion Highlights

- **Desired Mapping Product:**
  - **Generally XYZ files are very useful**
  - **Maybe some type of GIS product**
  - **Colors are good form of visual presentation**
  - **USCG currently does not have geo-referenced Adobe, formerly available CENAP mapping products were very useful to USCG**

Meeting Discussion Highlights

- **Desired Mapping Product:**
  - **University of VA and The Nature Conservancy work together**
  - **UVa website with data including hydro data (work already completed may help in preparing Corps survey scope)**



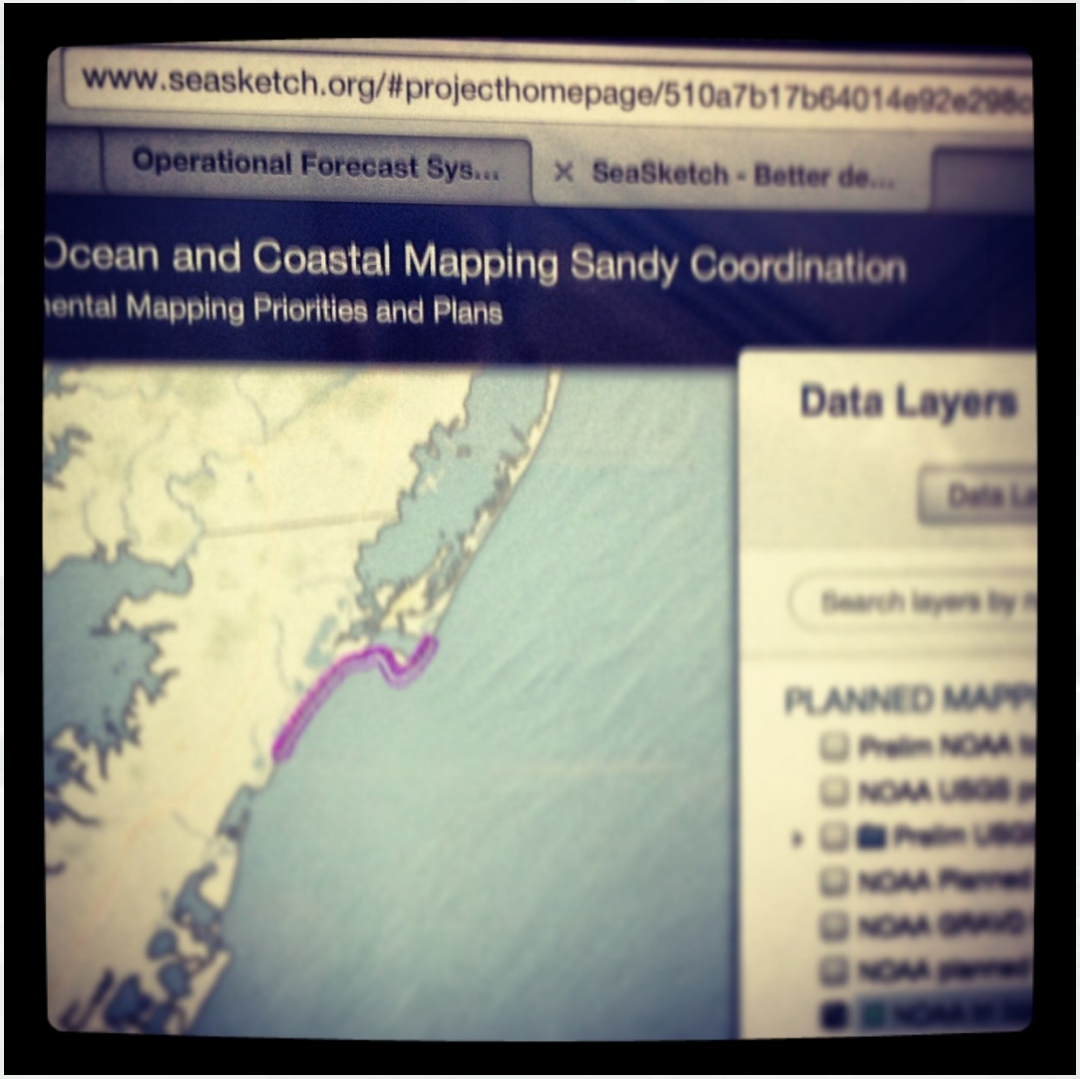
Meeting Discussion Highlights

- UVa has some survey data overlays with LIDAR at Magothy, S. Hog Island, Gargatha
- Old Dominion Univ
  - They do spider crab work at Cobb, South Bay. May be useful for hydro survey

Meeting Discussion Highlights

- Generally the deep areas of the WCV/VIP alignment are not a concern and need little to no survey work performed on them
- UVa/TNC Tide Stations at Oyster, Hog Island, Red Bank
- Tide gages, NOAA Center for Coast Studies
- Survey gages, need to tie areas between traditional shoal areas
- Develop common definition of “tide”
  - NOAA COOPS may be an assist

Meeting Discussion Highlights



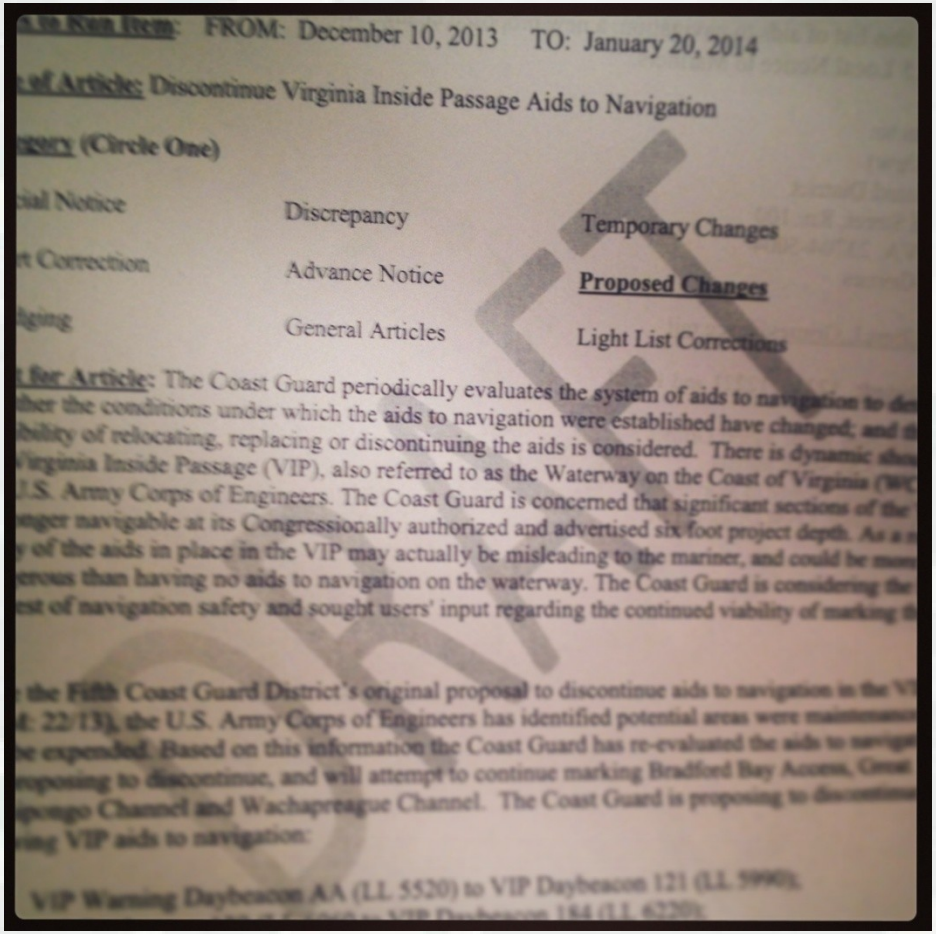
- **VDATUM, establish ‘88 at all tide stations, NOAA has only updated 3 stations**
- **VDATUM stops at outer edge of seaside islands**
- **SEASKETCH Website**
- **NASA working with USGS**
  - **Mid Atlantic Costal Reselience Institute**
  - **Cooperation with Maryland/Delaware/Virginia Institute of Marine Science**

Meeting Discussion Highlights

- **USCG Update on public notice for navigation aid removal:**
  - **2nd proposal going out next week to update plan based on dredging at Bradford Bay**

Meeting Discussion Highlights

- **2nd Proposal will also include:**
  - **An updated list of navigation aids**
  - **Will need Corps assistance, provide USCG with language to include in public notice that addresses the planned comprehensive WCV/VIP hydro survey**
- **Buoys displaced and grounded up on marshes are removed by USCG contract, as capable**


FROM: December 10, 2013 TO: January 20, 2014

of Article: Discontinue Virginia Inside Passage Aids to Navigation

(Circle One)

Discrepancy

Temporary Changes

Advance Notice

Proposed Changes

General Articles

Light List Corrections

for Article: The Coast Guard periodically evaluates the system of aids to navigation to de
her the conditions under which the aids to navigation were established have changed; and t
bility of relocating, replacing or discontinuing the aids is considered. There is dynamic sho
irginia Inside Passage (VIP), also referred to as the Waterway on the Coast of Virginia (WC
.S. Army Corps of Engineers. The Coast Guard is concerned that significant sections of the
nger navigable at its Congressionally authorized and advertised six foot project depth. As a r
of the aids in place in the VIP may actually be misleading to the mariner, and could be more
erous than having no aids to navigation on the waterway. The Coast Guard is considering the
est of navigation safety and sought users' input regarding the continued viability of marking t

the Fifth Coast Guard District's original proposal to discontinue aids to navigation in the VI
: 22/13), the U.S. Army Corps of Engineers has identified potential areas were maintenance
e expended. Based on this information the Coast Guard has re-evaluated the aids to navigat
roposing to discontinue, and will attempt to continue marking Bradford Bay Access, Great
pongo Channel and Wachapreague Channel. The Coast Guard is proposing to discontinue
ing VIP aids to navigation:

VIP Warning Daybeacon AA (LL 5520) to VIP Daybeacon 121 (LL 5990);

Meeting Discussion Highlights

- **NOAA Update**
  - **Paper Charts to be Discontinued**
  - **Alternative Sources**
  - **Intracoastal Waterway Update**
  - **http://www.noaanews.noaa.gov/stories2013/20130520_charts.html**
  - **Coast Pilot will also cease hardcopy distribution soon**

Meeting Discussion Highlights

Intracoastal Waterway – How to respond

Respond by December 26, 2013.

Link to FRN Announcement https://federalregister.gov/a/2013-23440

Email - *CoastSurveyCommunications@noaa.gov*

Fax – 301-713-4019

For Questions Contact Lt.j.g. Leslie Flowers

Ph. 301-713-2730 Email *leslie.z.flowers@noaa.gov.*

Meeting Discussion Highlights

One stop shop website for NOAA's Nautical Charting Products

- **www.nauticalcharts.noaa.gov**
- **Print on Demand Charts (POD): meets carriage requirements**
- **Free Downloadable PDF's (need plotter)**
- **Booklet Charts – prints out on 8.5 by 11 paper**
- **ENC/RNC Charts**
- **On-line Chartviewer**
- **U.S. Chart #1**

Conclusion and Follow-Up Items

- Look at UVA website to see what's been done to date by others
- Next Week's Public Notice from USCG – needs Corps' language
- Mid-Atlantic Coastal Resilience Institute has Chincoteague NWR involvement – any CENAB tie-ins?
- Post meeting notes and CENAO website and provide to participants
- USCG list of known areas less than 6' deep
- Corps develop strawman scope of work and distribute for comment

USCG-Provided list of known areas of less than 6’ water depth

VA – VIRGINIA INSIDE PASSAGE – REPORTED SHOALING

1. Less than 2.0 ft MLW between VIRGINIA INSIDE PASSAGE DBN 6 (LLNR 5547) and VIRGINIA INSIDE PASSAGE LB 7 (LLNR 5610).
2. Less than 2.0 ft MLW between VIRGINIA INSIDE PASSAGE DBN 21 (LLNR 5655) and VIRGINIA INSIDE PASSAGE BUOY 59 (LLNR 5777).
3. Less than 6.0 ft MLW between VIRGINIA INSIDE PASSAGE LIGHT 115 (LLNR 5970) and VIRGINIA INSIDE PASSAGE DB 116 (LLNR 5975).
4. Less than 1.0 ft MLW between VIRGINIA INSIDE PASSAGE DBN 119 (LLNR 5985) and VIRGINIA INSIDE PASSAGE DBN 121 (LLNR 5990).
5. Less than 3.0 ft MLW between VIRGINIA INSIDE PASSGE DBN 122 (LLNR 5995) and VIRGINIA INSIDE PASSAGE LT 126 (LLNR 6015).
6. Less than 2.0 ft MLW between VIRGINIA INSIDE PASSAGE LT 147 (LLNR 6090) and VIRGINIA INSIDE PASSAGE DBN 152 (LLNR 6110.
7. Less than 1.0 ft MLW between VIRGINIA INSIDE PASSAGE LT 160 (LLNR 6145) and VIRGINIA INSIDE PASSAGE DBN 161 (LLNR 6150).
8. Less than 1.0 ft MLW between VIRGINIA INSIDE PASSAGE DBN 178 (LLNR 6205) and NORTH CHANNEL JUNCTION LIGHT NC (LLNR 6875).
9. Less than 1.0 ft MLW between VIRGINIA INSIDE PASSAGE DBN 214 (LLNR 6350) and VIRGINIA INSIDE PASSAGE LB 226 (LLNR 6420).
10. Less than 2.0 ft MLW between VIRGINIA INSIDE PASSAGE LT 248 (LLNR 6510) and VIRGINIA INSIDE PASSAGE DBN 250 (LLNR 6525).
11. Less than 2.0 ft MLW between QUINBY CREEK LB 9 (LLNR 6776) and QUINBY CREEK LT 13 (LLNR 6785).
12. Less than 2.0 ft MLW between SINEPUXENT BAY CHANNEL BUOY 29 (LLNR 5120) and SINEPUXENT BAY CHANNEL DBN 35 (LLNR 5135).

Chart: 12210.

LNM: 42/13

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ign-In Sheet for 5 Dec 2013 Task Force Meetin

Questions/Comments?

- **WCV/VIP Dredging and Surveying**
  - **757-201-7861 (phone)**

- **NOAA**
  - **Denise.Gruccio@noaa.gov**